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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,071	08/09/2006	Hideo Watanabe	NGB-141-A	6591

21828 7590 01/30/2009
CARRIER BLACKMAN AND ASSOCIATES
24101 NOVI ROAD
SUITE 100
NOVI, MI 48375

EXAMINER

STERLING, AMY JO

ART UNIT	PAPER NUMBER
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3632

NOTIFICATION DATE	DELIVERY MODE
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01/30/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

cbalaw@gmail.com
cbalaw@ameritech.net
wblackman@ameritech.net

Office Action Summary	Application No.		Applicant(s)	
	10/589,071		WATANABE ET AL.	
	Examiner		Art Unit	
	AMY J. STERLING		3632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 December 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3 and 5 is/are rejected.
- 7) ☒ Claim(s) 2,4,6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is a non-final Office Action for application number 10/589,071 ON-BOARD GASEOUS FUEL TANK MODULE, filed on 8/9/2006. Claims 1-6 are pending. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/26/08 has been entered.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the

“vehicle” (claim 4)

must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure

number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

Claim 6 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification does not adequately teach that the pin hole has a smooth inner surface.

Claim Rejections - 35 USC § 102

Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by United States Patent No. 5284267 to Polletta et al.

The patent to Polletta et al. discloses a tank having a support frame member (16) and a gaseous fuel tank (20) fixed to the support frame member horizontally; wherein the gaseous fuel tank comprises: a cylindrical tank unit, a gaseous fuel inlet and outlet valve device (26) provided at a first axial end portion of the tank unit such that a part thereof protrudes outwardly from the tank unit, and a pin hole (28) provided in a second axial end portion of the tank unit so as to open outwardly; and an axis of the tank unit, an axis of the valve device and a center line of the pin hole are disposed on a straight line so that the valve device and the pin hole are used to position the gaseous fuel tank horizontally, wherein a hex fitting at the first axial end of the tank may be supported by a support member (16) extending perpendicularly thereto, wherein the cylindrical tank unit comprises a cylindrical center portion, a first axial end portion closing a first end of the cylindrical center portion and a second axial end portion closing the second end of the cylindrical center portion.

Response to Arguments

The applicant has argued that the drawings clearly show that the inner tank is smooth. This is unpersuasive because the claim states that the inside of the pin hole is smooth, the addition of which is new matter and was not disclosed in the filed

disclosure. It is impossible to tell if the inner surface of the pin hole is smooth from the drawings. All other arguments are moot in view of the new grounds of rejection above.

Allowable Subject Matter

Claims 2 and 4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 6 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

The reason is that the prior art does not teach wherein the cylindrical tank unit comprises an inner shell unit, and an outer shell of fiber reinforced polymer which covers the inner shell unit; the pin hole is defined by a pin hole formed body; the pin hole formed body is embedded in the outer shell unit and comprises a cylindrical body in which the pin hole is in an open end thereof and a mounting flange residing at the closed end of the cylindrical body and joined to the inner shell unit; and the open end face of the cylindrical body is flush with an outer surface of the outer shell unit or wherein and left and right side frames which are adapted to be positioned and fixed on-board in a vehicle; a pin on one of the left and right side frames adapted to fit into the pin hole to position and align the tank with the frame; and front and rear frames

Art Unit: 3632

connected to the left and right side frames whereby the tank is configured to be installed horizontally on-board or wherein the pin hole has no inlet or outlet for gaseous fuel and has a smooth inner surface.

Conclusion

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823 or to Supervisor Allen Shriver at 571-272-6698 if the examiner cannot be reached. The examiner can normally be reached (M-F 8 a.m.- 5:00 p.m.). The fax machine number for the Technology center is 571-273-8300 (formal amendments) or 571-273-6823 (informal amendments only). Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600.

/Amy J. Sterling/
Primary Examiner
1/28/09